

NEW PLANTS IN OLD PLACES

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Justification for this title lies in the fact that the plants listed in this article are mostly new, so far as our knowledge goes, to the localities in which they were collected. Old places refers to the fact that their localities are mostly areas which have been extensively botanized previously.

Historically, Bristol County, Massachusetts, from which most of the records come is one of the earliest regions in America to be settled by white men. Botanically, while not one of the earliest areas to be explored, it has been the scene of collecting activity for nearly a century, at least. The earliest collectors in this county, so far as has been ascertained, are George Mackie who collected in 1872 in New Bedford, and S. M. Holman who collected in 1880 in Attleboro. A few specimens from each of these are in the Herbarium of the New England Botanical Club. The earliest botanist who collected a considerable number of specimens was Carl Blomberg. His specimens (NEBC) are from Easton and range in date from 1890 to 1902.

Much better known as a botanist is Eliphalet Williams Hervey, who appears to have begun collecting at about the date when Blomberg's collecting ceased. Although many of his specimens in the Club Herbarium are not dated, from those which are dated, we learn that he collected in New Bedford and vicinity during the years 1899 to 1916. His "Flora of New Bedford" (the 3rd edition, revised, published in 1911) seems to have marked the climax of his botanical investigations in Bristol County.

Other botanists whose specimens are in the Herbarium of the Club include S. N. F. Sanford. His specimens are from various towns in this County during the years 1903 to 1929 and probably later. Many others, — outstandingly F. F. Forbes, F. W. Hunnewell and C. H. Knowlton, — have contributed extensively to our knowledge of this fruitful region.

In spite of so much botanical activity, Dighton seems to

have been almost entirely overlooked, perhaps because it is on the other side of Taunton River from New Bedford. Not many bridges cross that river. During the present writer's eight years of residence in Dighton, his botanical eye picked up a few plants which seem worthy of note.

Of the 47 species listed below, 40 are from Bristol County, Massachusetts. 6 of the 40 have been reported before but are mentioned for reasons given below. It is surprising that of the 34 believed not to have been reported before, only 20 are introduced while as many as 14 are native. Thus only 59% were probably not there in Hervey's day. Of the 20 introduced species not previously reported, 6 or 30% are introduced from elsewhere in America while 14 or 70% are introduced from Europe or Asia. The list below is divided into groups to represent these aspects. Usually the number of the collection is cited so that in the future the identification may be verified or, if necessary, corrected.

Many of the specimens here mentioned are to be found in the herbarium of the New England Botanical Club and in the writer's private herbarium. Some are also in the herbarium of Southern Methodist University. The writer wishes to thank Dr. Reed C. Rollins, Director of the Gray Herbarium, and Dr. Richard A. Howard, Director of the Arnold Arboretum, for the privilege of referring to those respective herbaria.

I. BRISTOL COUNTY, MASSACHUSETTS, *introduced* species believed not to have been previously reported.

1. *Picea Abies* (L.) Karst. A few young trees surrounded by woods, removed from any building, appear to have been self-sown. Dighton, 1957, *Seymour* 17,072. Native of Europe.
2. *Pinus resinosa* Ait. In some cases, this tree has been planted, but in a number of other cases, a group of young trees are irregularly arranged and show no signs of human agency, as in the case of *Seymour* 16,507, Dighton, 1956. Native as near as northern Mass.
3. *Eragrostis multicaulis* Steud. Plentiful along a roadside in Dighton, 1961, *Seymour* 19,383. Not nearly so frequent in the writer's observation as the very similar *E. pectinacea* (Michx.) Nees. Native of e. Asia.
4. *Calamagrostis epigejos* (L.) Roth, var. *georgica* (K. Koch)

Ledeb. Several plants of this grass, as yet rare in New England, were in a neglected field near buildings in Dighton, 1957, *Seymour* 17,752. Native of s. Russia.

5. *Tradescantia virginiana* L. Hardy in cultivation and persisting in more than one locality where it has escaped, as by a roadside, Dighton, 1961, *Seymour* 19,279a. Native as near as Conn.

6. *Salix babylonica* L. A single tree in an open field with no evidence of cultivation. Taunton, 1961, *Seymour* 19,146; 19,240, both from the same tree at different seasons. Native of Eurasia.

7. *Polygonum cuspidatum* Sieb. & Zucc. Large colonies in several spots in and near Taunton, 1961, *Seymour* 19,528. Native of e. Asia.

8. *Polygonum sachalinense* F. Schmidt. Only one colony known. Near site of burned building, Dighton, 1961, *Seymour* 19,527. Native of e. Asia.

9. *Rosa gallica* L. Several bushes in a vacant lot near woods, Dighton, 1961, *Seymour* 19,232. Native of Europe.

10. *Lotus corniculatus* L. First seen by the writer in Topsham, Vt., 1959. Abundant on a hillside and adjacent road, *Seymour* 18,180. New to Vt. The following year, it appeared in considerable quantity along a roadside in Dighton, 1960. *Seymour* 18,566. First collection in southeastern Mass. In 1961, collected along a roadside, Warren, R. I. *Seymour* 19,448. New to Bristol Co., R. I. Native of Europe.

11. *Lathyrus latifolius* L. Along a roadside, Dighton, 1961. *Catherine M. Seymour* 19,471a. Cultivated and escaping. Thoroughly established. Native of Europe.

12. *Erodium cicutarium* (L.) L'Her. Many plants as weeds in a cultivated field, Dighton, 1961. *Wyman E. Hawkes*. Native of Europe.

13. *Catalpa speciosa* Warder. Frequently escaped from cultivation. Small trees seen in various places. Collection from a small tree with several others near a large tree along a roadside, Taunton, 1961. *Seymour* 19,311. A group of small trees in a similar situation but not near any large tree, Raynham, 1961, *Seymour* 19,330. Native as near as Tenn.

14. *Catalpa bignonioides* Walt. Apparently less frequent than *C. speciosa*. Along a roadside, Easton, 1961, *Seymour* 19,575. Native farther south.

15. *Plantago lanceolata* L., var. *sphaerostachya* Mert. & Koch. Roadside, Taunton, 1961, *Seymour* 19,242. This variety new to Bristol Co., Mass. Native of Europe.

16. *Silphium perfoliatum* L. A large colony growing luxuriantly in a vacant lot, in moist soil; observed for several years; Taunton, 1961, *Seymour* 19,530. Native as near as Ont.

17. *Helenium flexuosum* Raf. (*H. nudiflorum* Nutt.). Many plants in a meadow along upper tidal part of Taunton River, Taunton, 1956, *Seymour* 16,991. Native as near as N. C.

18. *Hieracium Pilosella* L. A few plants in an open field far from human habitation, Dighton, 1957, *Seymour* 17,081. Observed in abundance on more than one lawn in Taunton, 1962. It is desirable to record with specimens the first date when plants like this, which are spreading, reach each locality so that the rate and direction of spread may be plotted. Native of Europe.

19. *Hieracium pratense* Tausch. A few plants, Dighton, 1961, *Seymour* 19,231. Gloucester, R. I., 1961, with Richard J. Eaton, along roadside, (Previously reported only from Smithfield, R. I.) *Seymour* 19,225. Native of Europe.

20. *Hieracium vulgatum* Fries. Three plants on a lawn where it certainly did not occur the year before, Dighton, 1961, *Seymour* 19,473. Native of Europe.

II. BRISTOL COUNTY, MASSACHUSETTS, *native* species believed not to have been reported previously.

21. *Botrychium matricariaefolium* A. Br. A few plants in shade of young trees and shrubs which were about 1.5 m tall in a neglected field with *Orobanche uniflora* L. *Seymour* 19,741.

22. *Zostera marina* L., var. *stenophylla* Aschers. & Graebn. Washed up on shore, Horseneck Beach, Westport, Mass., *Seymour* 19,307.

23. *Potamogeton gemmiparus* Robbins. A few plants floating free in Barstow Pond, Taunton, Mass., *Seymour* 19,516.

24. *Potamogeton alpinus* Balbis, var. *subellipticus* (Fern.) Ogden. In rapid current, tidal part of Segreganset River, Dighton, 1957, 1961 (with *P. epihydrus* Raf., var. *Nuttallii* (C. & S.) Fern.). *Seymour* 17,182; 19,481.

25. *Spartina* × *caespitosa* A. A. Eaton. Several plants in salt marsh along Taunton River, Dighton, 1961, *Seymour* 19,384.

26. *Zizania aquatica* L., var. *aquatica*. Sizable colony on tidal shore of Segreganset River, Dighton, (near *Potamogeton alpinus*, var. *subellipticus*) 1957, *Seymour* 17,183.

27. *Scirpus robustus* Pursh. A few plants at edge of tidal pool along Taunton River, Dighton, with *S. paludosus* Nels., var. *atlanticus* Fern., 1959, *Seymour* 18,393.

28. *Carex Deweyana* Schwein. Occasional in damp woods, Dighton, 1956, *Seymour* 16,512.

29. *Carex abscondita* MacM. In rich, usually damp woods. Widespread in Dighton and vicinity. In 1916, when the writer was studying the flora of Martha's Vineyard, Mass., it was surprising that although this species occurred in R. I. and Martha's Vineyard, it was unknown in Bristol Co., Mass. Now it is found not only

to occur in the latter county, as was to be expected, but it is widespread and not uncommon. Dighton, 1957. Raynham, 1960. Rehoboth, 1961. Taunton, 1961. Bristol, R. I., 1961. *Seymour* 17,122; 18,569; 19,227; 19,251; 19,460; 19,493.

30. *Carya ovata* (Mill.) K. Koch. Common in Dighton, 1955. From several collections, two are cited from the same tree at different seasons. *Seymour* 17,144; 17,679.

31. *Betula nigra* L. Several young trees along upper tidal part of Taunton River, Taunton, 1955. The trees are irregularly arranged on uncultivated land and appear to be self-sown. *Seymour* 16,459; 16,497.

32. *Hepatica americana* (DC.) Ker. Several plants in thin deciduous woods; known only in this one spot, Dighton, 1959. Guided to the spot by Elliott Walker. *Seymour* 18,492; 18,496.

33. *Prunus americana* Marsh. Occasional in Dighton, 1961. Along a hedgerow, *Seymour* 19,230.

34. *Callitriche verna* L. (*C. palustris* L.) Along Terry Brook, Assonet, Freetown, Mass., *Seymour* 19,107.

III. BRISTOL COUNTY, MASSACHUSETTS, *introduced* species previously reported.

35. *Thuja occidentalis* L. Much cultivated in this county, it is escaping and becoming established. Two medium sized trees not near any building and surrounded by woods show no sign of having been planted. Berkley, Mass., 1961, *Seymour* 19,128. Collected also by Hervey in New Bedford. Native in western New England.

IV. BRISTOL COUNTY, MASSACHUSETTS, *native* species previously reported.

36. *Phragmites communis* Trin., var. *Berlandieri* (Fourn.) Fern. Small colony of a dozen plants in swampy land recently cleared for gas pipe line, Dighton, with *Lycopodium inundatum* L., var. *inundatum*, 1961. Not previously observed in this spot although the writer lived within one quarter mile for eight years. He had collected in that spot the year before. Was it there all the time? Was it self-planted after the land was cleared? Was it growing there but stunted until the land was cleared? Any of these is possible; *Seymour* 19,529. Listed by Hervey from New Bedford, but no specimen seen.

37. *Carex Emmonsii* Dew. Common in Dighton and vicinity, 1956, *Seymour* 16,513; 17,078; 18,501. There is only one other record from Bristol Co.; North Easton, A. A. Eaton, 1903.

38. *Trillium erectum* L. A number of plants in swampy woods of hemlock, *Tsuga canadensis* (L.) Carr., 1960. Reported earlier by Wilfred A. Hathaway but no specimen seen previously. *Seymour* 18,509.

39. *Rhododendron canadense* (L.) Torr. Border of swamp, one good-sized clump, Raynham, Mass., 1961, *Seymour* 19,180. Discovered by William N. Andrews, Sr., who directed the writer to the spot. Rare in this county; previously collected only in Attleboro.

40. *Physalis pubescens* L., var. *grisea* Waterfall. One large plant about 1.5 m tall along a roadside, Dighton, 1959. Not found the following year. *Seymour* 18,488. In this county, previously collected only by Hervey in New Bedford.

V. MISCELLANEOUS collections of *introduced* species from outside Bristol County, Mass.

41. *Nymphaea tuberosa* Paine. Large root picked up, floating near shore, Winter Pond, Winchester, Mass., 1962, with Richard J. Eaton. The main root bears several small fusiform tubers. *Seymour* 19,702. Not previously reported from Mass. Native as near as Vt. and southwestern Conn.

42. *Erysimum inconspicuum* (S. Wats.) MacM. A single plant in a vacant lot, formerly a poultry farm, Stoughton, 1961, *Seymour* 19,310. New to Mass. Native as near as Ont.

VI. MISCELLANEOUS collections of *native* species from outside Bristol Co., Mass.

43. *Potamogeton nodosus* Poir. A few plants with *P. gramineus* L. in Pine River, Ossipee, N. H., *Seymour* 19,840. New to N. H.

44. *Trisetum melicoides* (Michx.) Vasey, var. *majus* (Gray) Hitchc. Only one plant seen; Lake Morley, Fairlee, Vt., 1959. *Seymour* 18,216. Reported from northern Vt. in Gray's Man., ed. 8. Rare.

45. *Sphenopholis nitida* (Biehler) Scribn. Scarce; in woods near crags near *Asplenium montanum* Willd., Glocester, Providence Co., R. I. with Richard J. Eaton. *Seymour* 19,205. Collected in Cumberland, R. I., 1875, and 1878; not collected in this county since.

46. *Rhynchospora capillacea* Torr. Numerous plants in shallow water of shore of Robbins Cove, Berry Bay, Freedom, N. H., with *Ranunculus reptans* L., 1958, *Seymour* 17,887. New to N. H.

47. *Viola pubescens* Ait. Several plants in two different spots in one of the few remaining relatively unspoiled patches of rich woods in Brockton, Plymouth Co., Mass., 1962, *Seymour* 19,801. Not previously reported from Plymouth Co., Mass.

STOUGHTON, MASS.